PLUGGABLE TRANSCEIVER LATCHING MECHANISM

ABSTRACT

The invention features novel systems and methods for latching a pluggable transceiver to and unlatching the pluggable transceiver from a cage. In one aspect, a pluggable transceiver includes a housing and a cam. The housing has a front end configured to couple to a transmission cable and a back end configured to be inserted into a cage. The cam is disposed on an exposed outer surface of the transceiver housing and is configured to displace a cage latch and engage a cage slot upon insertion of the transceiver housing into the cage. In another aspect, a cage includes a housing and a latch. The housing has a front end for receiving a pluggable transceiver and defines a slot for engaging a transceiver cam. The latch is disposed at the front end of the cage housing. The latch also is configured to bend outwardly from an original position in response to a force applied by the transceiver cam as the transceiver is being inserted into the cage and to resiliently return to the original position upon engagement of the transceiver cam with the slot defined in the front end of the cage housing. A data coupling system comprising the above-defined pluggable transceiver and cage also is described.